

09/909857

Inventor: HILDRETH, EVAN, et al

Status: 71 - RESPONSE TO NON-FINAL OFFICE ACTION ENTERED AND FORWARDED TO EXAMINER

Title: VIDEO-BASED IMAGE CONTROL SYSTEM

Examiner: DHARIA, PRABODH

GAU: 2629  
Classification: 345/156.000

All tab report (6 items, sorted by Reviewer ASC, Annot Avail ASC)

| IDS | Annot Avail | Doc Code | Date       | Pages | Conten | Entry # | Review Date | Reviewer      |
|-----|-------------|----------|------------|-------|--------|---------|-------------|---------------|
|     |             | 1449     | 11/28/2005 | 3     |        |         | 02/12/2002  |               |
|     |             | 1449     | 08/22/2005 | 5     |        |         | 02/12/2002  |               |
|     |             | 1449     | 05/04/2005 | 5     |        |         | 02/12/2002  |               |
|     |             | 1449     | 08/23/2004 | 3     |        |         | 02/12/2002  |               |
| ✓   |             | IDS      | 01/30/2003 | 1     | M844   | 11      | 02/12/2002  | dwendamagegeh |
| ✓   |             | IDS      | 02/12/2002 | 3     | M844   | 10      | 02/12/2002  | dwendamagegeh |

PALM Intranet

Application  
Number

SEARCH

IDS Flag Clearance for Application

09909857

IDS  
Information

| Content | Mailroom Date | Entry<br>Number | IDS<br>Review                       | Reviewer                             |
|---------|---------------|-----------------|-------------------------------------|--------------------------------------|
| M844    | 02-12-2002    | 10              | <input checked="" type="checkbox"/> | 04-01-2002 12:57:44<br>dwendemagegeh |
| M844    | 01-30-2003    | 11              | <input checked="" type="checkbox"/> | 02-05-2003 12:45:03<br>dwendemagegeh |

UPDATE

## EAST Search History

| Ref # | Hits | Search Query                                                        | DBs                                                     | Default Operator | Plurals | Time Stamp       |
|-------|------|---------------------------------------------------------------------|---------------------------------------------------------|------------------|---------|------------------|
| L1    | 2    | "6,040812".pn.                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 06:50 |
| L2    | 1    | "6,040812".pn. and table\$1                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 06:50 |
| L3    | 78   | Hildreth and evan                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 09:17 |
| L4    | 8    | Hildreth and evan and video                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 11:04 |
| L5    | 1    | Hildreth and evan and video adj<br>base\$6 adj image adj control\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 10:56 |
| L6    | 6    | francis and macedougall and video                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 09:32 |
| L7    | 0    | video adj base\$6 adj control\$6 adj<br>appliaction                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 10:56 |
| L8    | 0    | video adj base\$6 adj control\$6 adj<br>applicat\$6                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 10:57 |
| L9    | 0    | video adj base\$6 adj control\$6 adj<br>applicat\$6 adj program\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/30 10:57 |

## EAST Search History

|     |      |                                                                               |                                                         |    |    |                  |
|-----|------|-------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| L10 | 0    | (video adj base\$6 adj control\$6 and applicat\$6 adj program\$6)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:58 |
| L11 | 2486 | (video adj control\$6 and applicat\$6 adj program\$6)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:58 |
| L12 | 4    | (video adj control\$6 adj applicat\$6 adj program\$6)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:58 |
| L13 | 0    | Hildreth and evan and video adj base adj appilcation adj program              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 11:05 |
| L14 | 0    | Hildreth and evan and video adj based ADJ control adj appilcation adj program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 11:06 |
| L15 | 0    | Hildreth and evan and video adj based adj control and appilcation adj program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 11:06 |
| L16 | 1    | "6661918".pn. and three adj dimension\$6                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 13:50 |
| L17 | 0    | "6661918".pn. and cursor                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 13:50 |
| L18 | 1    | "6661918".pn. and display                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 14:04 |
| L19 | 1    | "6661918".pn. and display and (TV or LCD or television)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 14:32 |

## EAST Search History

|     |     |                                                                              |                                                         |    |    |                  |
|-----|-----|------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| L20 | 2   | "6661918".pn. and detect\$6                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 14:32 |
| S1  | 1   | "20040046736" and regions                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:14 |
| S7  | 1   | "6,125,198".pn. and regions and<br>divide\$9                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:14 |
| S9  | 1   | "20040046736" and depth                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:15 |
| S10 | 1   | "20040046736" and depth and<br>coordinate\$1                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:19 |
| S11 | 1   | "20040046736" and selected and<br>object and interest                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 13:02 |
| S12 | 1   | "20040046736" and selected                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 13:02 |
| S13 | 584 | stereo adj vision                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:42 |
| S14 | 203 | stereo adj vision and interface\$6 and<br>application                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:42 |
| S15 | 30  | stereo adj vision and interface\$6 and<br>application adj program and run\$9 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:43 |

## EAST Search History

|     |    |                                                                                                                                                                                                                                               |                                                         |    |    |                  |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S16 | 30 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:43 |
| S17 | 26 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:43 |
| S18 | 26 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:26 |
| S19 | 8  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:44 |
| S20 | 8  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:45 |
| S21 | 8  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:45 |
| S22 | 8  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:46 |
| S23 | 8  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:46 |

## EAST Search History

|     |   |                                                                                                                                                                                                                                                                                                                                                        |                                                         |    |    |                  |
|-----|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S24 | 8 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:47 |
| S25 | 8 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:47 |
| S26 | 8 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:47 |
| S27 | 8 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:48 |
| S28 | 8 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:48 |
| S31 | 8 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 and object and interest\$6 AND CONTROL\$6 and region\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 10:23 |

## EAST Search History

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |    |    |                  |
|-----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S34 | 4  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 and object and interest\$6 AND CONTROL\$6 and region\$1 and position\$6 and location and search and point and interest and close\$6 and map and position and coordinate\$1 and position and indicator | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 09:53 |
| S35 | 8  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 and object and interest\$6 AND CONTROL\$6 and region\$1 and position\$6 and location                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 10:15 |
| S36 | 13 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:43 |
| S37 | 1  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 and object and interest\$6 AND CONTROL\$6 and region\$1 and sub adj region\$1                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 10:24 |
| S38 | 1  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and sub adj region\$1                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 10:24 |
| S39 | 1  | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and sub adj region\$1                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 10:25 |

## EAST Search History

|     |   |                                                                                                                                                       |                                                         |    |    |                  |
|-----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S40 | 3 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and divide\$9 adj region\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 10:25 |
| S41 | 2 | "20040046736"                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 08:17 |
| S42 | 1 | "20040046736" and stereo and vision                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 14:43 |
| S43 | 1 | "20040046736" and capture\$6 and image                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 15:04 |
| S44 | 1 | "20040046736" and processing and image                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 14:59 |
| S45 | 1 | "20040046736" and processing and image and user                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 14:59 |
| S46 | 1 | "20040046736" and capture\$6 and image and process\$6 and user                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 15:05 |
| S47 | 1 | "20040046736" and capture\$6 and image and process\$6 and user and stereo and vision                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 15:49 |
| S49 | 1 | "20040046736" and capture\$6 and image and process\$6 and user and stereo and vision and coordinate\$1                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:06 |
| S50 | 1 | "20040046736" and reference                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:06 |

## EAST Search History

|     |    |                                                                       |                                                         |    |    |                  |
|-----|----|-----------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S51 | 1  | "20040046736" and reference and compare\$6                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 10:49 |
| S54 | 3  | "6,720,949"                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:11 |
| S55 | 3  | "6,720,949".pn.                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:11 |
| S57 | 1  | "6,720,949".pn. and two adj cameras                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:11 |
| S60 | 2  | "5,917,937".pn.                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:13 |
| S64 | 1  | "5,917,937".pn. and cameras and compare\$6 and images                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/12 16:14 |
| S65 | 2  | "5,917,937".pn.                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 07:06 |
| S66 | 1  | "5,917,937".pn. and compare\$6                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 07:06 |
| S67 | 19 | stereo adj vision and reference adj camera                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 07:13 |
| S68 | 14 | stereo adj vision and reference adj camera and feature\$1 and pair\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:35 |

## EAST Search History

|     |   |                                                                                                                                                                                                                                                                                                                |                                                         |    |    |                  |
|-----|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S69 | 1 | "20040046736" and reference and compare\$6 and PAIR                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 12:09 |
| S70 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 12:58 |
| S71 | 4 | stereo adj vision and reference adj camera and feature\$1 and pair\$1 and filter                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:32 |
| S74 | 3 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and reference and compare\$6 and PAIR and filter\$1 and capture\$6 and image and capture\$6 and image and process\$6 and user and stereo and vision and coordinate\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 12:47 |
| S76 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 13:35 |
| S78 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 13:36 |
| S79 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 13:42 |
| S80 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 14:17 |
| S81 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate                                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 14:32 |

## EAST Search History

|          |   |                                                                                                                                                                                                                         |                                                         |    |    |                  |
|----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S87      | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate and block\$1                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:02 |
| S89      | 1 | "5,159,159".pn. and horizontal                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 14:29 |
| S92      | 1 | "5,159,159".pn. and horizontal                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 14:29 |
| S96      | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate and block\$1 and pixel\$1                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:03 |
| S98      | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate and block\$1 and pixel\$1 and pattern              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:03 |
| S99      | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate and block\$1 and pixel\$1 and pattern and contrast | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 12:31 |
| S10<br>1 | 1 | "20040046736" and pixel\$1                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:40 |
| S10<br>2 | 3 | stereo adj vision and reference adj camera and feature\$1 and pair\$1 and filter and pixel\$1                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:38 |
| S10<br>3 | 8 | stereo adj vision and reference adj camera and feature\$1 and pair\$1 and matrix and pixel\$1                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:37 |

## EAST Search History

|          |     |                                                                                                                                                                                                                                     |                                                         |    |    |                  |
|----------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S10<br>6 | 12  | stereo adj vision and reference adj camera and matrix and pixel\$1                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:39 |
| S10<br>7 | 1   | "20040046736" and matrix                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:40 |
| S10<br>8 | 241 | stereo adj vision and display and pixel\$1                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:42 |
| S10<br>9 | 4   | stereo adj vision and display and pixel\$1 and active adj matrix                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:45 |
| S11<br>1 | 9   | stereo adj vision and display and pixel\$1 adj block                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/13 15:46 |
| S11<br>2 | 1   | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate and block\$1 and pixel\$1 and pattern and contrast and compare | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:05 |
| S11<br>4 | 2   | "6,125,198".pn.                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 11:36 |
| S11<br>5 | 2   | "6,661,918".pn.                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 12:54 |
| S11<br>6 | 1   | "6,661,918".pn. and cluster\$1 and image\$1                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 12:56 |

## EAST Search History

|      |   |                                                                                                                                                                                                                                                  |                                                         |    |    |                  |
|------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S117 | 1 | "6,661,918".pn. and cluster\$1 and image\$1 and compare and position                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:04 |
| S119 | 1 | "6,661,918".pn. and cluster\$1 and image\$1 and compare and position                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 11:36 |
| S120 | 1 | "20040046736" and reference and compare\$6 and PAIR and filter and calculate and match and score and eliminate and feature\$1 and threshold and scene and coordinate and block\$1 and pixel\$1 and pattern and contrast and compare and features | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:32 |
| S122 | 1 | "6,661,918".pn. and cluster\$1 and image\$1 and compare and position and threshold                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:13 |
| S123 | 1 | "6,661,918".pn. and cluster\$1 and image\$1 and compare and position and threshold and eliminate                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 14:16 |
| S124 | 1 | "20040046736" and head\$1                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:43 |
| S125 | 1 | "20040046736" and head\$1 and smooth\$6                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:38 |
| S127 | 1 | "20040046736" and head\$1 and smooth\$6 and image and frames                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:41 |
| S128 | 1 | "20040046736" and head\$1 and smooth\$6 and frames                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:41 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |    |    |                  |
|----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S13<br>0 | 1 | "20040046736" and hand\$1 and orient\$6 and calculat\$6 and informat\$6 and object\$1 and posit\$6                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 13:49 |
| S13<br>1 | 1 | "20040046736" and hand\$1 and orient\$6 and calculat\$6 and informat\$6 and object\$1 and posit\$6 and coordinate\$6                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:15 |
| S13<br>2 | 2 | "20040046736" and computer                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 14:16 |
| S13<br>3 | 1 | "20040046736" and computer and interface                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/14 14:23 |
| S13<br>4 | 1 | "20040046736" and capture\$6 and image\$1                                                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 11:32 |
| S13<br>6 | 1 | "6,125,198".pn. and threshold and calculat\$9 and match\$9 and feature\$1 and pairs and disparity and select\$9 and highest and pixel\$1 and divi\$9 and block\$1 and image\$1 and reference and camera\$1 and compare\$8 and create\$9 and image\$1                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 14:17 |
| S13<br>7 | 7 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 and object and interest\$6 AND CONTROL\$6 and region\$1 and position\$6 and location and search and point and interest and close\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 13:50 |
| S13<br>8 | 1 | "6,661,918".pn. and map\$6                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:33 |

## EAST Search History

|          |   |                                                                                                                                      |                                                         |    |    |                  |
|----------|---|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S14<br>4 | 1 | "20040046736" and stereo adj image and stereo adj camera                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 14:58 |
| S14<br>6 | 1 | "20040046736" and x and axis                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 15:00 |
| S14<br>7 | 1 | "20040046736" and x and axis and hand\$1                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 15:33 |
| S14<br>8 | 1 | "20040046736" and X and axis and Z                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 15:34 |
| S14<br>9 | 1 | "20040046736" and X and axis and Z and depth                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 15:35 |
| S15<br>0 | 1 | "20040046736" and (storage or stor\$6) and orient\$6 and posit\$6 and coordinate\$6                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:25 |
| S15<br>4 | 2 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and avatar | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:27 |
| S15<br>5 | 2 | stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and avatar                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:28 |
| S15<br>6 | 1 | stereo adj vision and indicator\$1 and avatar                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:28 |
| S15<br>7 | 8 | stereo adj vision and avatar                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:36 |

## EAST Search History

|      |   |                                                                                                                                                                                                                                                                                                                                                                             |                                                         |    |    |                  |
|------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S158 | 1 | "20040046736" and animation                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:30 |
| S160 | 1 | "20040046736" and animation and face and sens\$6                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:30 |
| S163 | 8 | stereo adj vision and avatar and indicat\$6                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:38 |
| S164 | 2 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and application adj program and run\$9 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:39 |
| S165 | 7 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:39 |
| S166 | 2 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and application adj program and run\$9 and computer                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:39 |
| S167 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:43 |

## EAST Search History

|      |   |                                                                                                                                                                                                                                                                                                                        |                                                         |    |    |                  |
|------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S168 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:41 |
| S169 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and depth\$1 and user and select\$6 AND CONTROL\$6              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:41 |
| S170 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and intersect\$6 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:42 |
| S171 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and view\$1 and user and select\$6 AND CONTROL\$6                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:42 |
| S172 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and user and select\$6 AND CONTROL\$6                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:42 |
| S173 | 3 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and arrange\$6 and configurat\$6 and image\$1 and detect\$9 and object\$1 and user and select\$6                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:42 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                             |                                                         |    |    |                  |
|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S17<br>4 | 3 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and arrange\$6 and<br>configurat\$6 and image\$1 and<br>detect\$9 and object\$1 and user and<br>select\$6                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:42 |
| S17<br>5 | 7 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and image\$1 and detect\$9<br>and object\$1 and user and select\$6                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:43 |
| S17<br>6 | 3 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and first and second and<br>image\$1 and detect\$9 and object\$1<br>and intersect\$6 and field\$1 and<br>view\$1 and depth\$1 and range\$1 and<br>user and select\$6 AND CONTROL\$6<br>and region\$1 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:43 |
| S17<br>7 | 7 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and first and second                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:43 |
| S17<br>8 | 7 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and first and second and<br>image\$1 and detect\$9 and object\$1                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:44 |
| S17<br>9 | 4 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and first and second and<br>image\$1 and detect\$9 and object\$1<br>and intersect\$6 and field\$1 and<br>view\$1                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:45 |
| S18<br>0 | 7 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and first and second and<br>image\$1 and detect\$9 and object\$1<br>and field\$1 and view\$1                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:45 |
| S18<br>1 | 7 | stereo adj vision and avatar and<br>indicat\$6 and stereo adj vision and<br>interface\$6 and computer and<br>camera\$1 and first and second and<br>image\$1 and detect\$9 and object\$1<br>and field\$1 and view\$1 and depth\$1<br>and range\$1                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/15 16:45 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                 |                                                         |    |    |                  |
|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S18<br>2 | 6 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 06:47 |
| S18<br>3 | 6 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 08:57 |
| S18<br>4 | 2 | "20010033675"                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 07:43 |
| S18<br>5 | 1 | "20010033675" and map                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 10:10 |
| S18<br>6 | 6 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and map\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 07:44 |
| S18<br>7 | 2 | "20040046736" and mouse                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 08:17 |
| S18<br>8 | 1 | "20010033675" and virtual                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 08:48 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |    |    |                  |
|----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S19<br>0 | 1 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and neutral and hand and object and selected and velocity and function and applied and avatar and roam and virtual and environment and application and program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:01 |
| S19<br>1 | 1 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and neutral and hand and object and selected and velocity and avatar and roam and virtual and environment and application and program                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:01 |
| S19<br>2 | 1 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and hand and object and selected and velocity and avatar and roam and virtual and environment and application and program                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:01 |
| S19<br>3 | 1 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and depth\$1 and range\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and selected and velocity and roam and virtual and environment and application and program                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:02 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |    |    |                  |
|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S19<br>4 | 1 | stereo adj vision and avatar and indicat\$6 and stereo adj vision and interface\$6 and computer and camera\$1 and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and selected and velocity and roam and virtual and environment and application and program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:02 |
| S19<br>5 | 1 | stereo adj vision and avatar and stereo adj vision and interface\$6 and computer and camera\$1 and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and selected and velocity and roam and virtual and environment and application and program                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:02 |
| S19<br>6 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and selected and velocity and roam and virtual and environment and application and program                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:03 |
| S19<br>7 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and detect\$9 and object\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and selected and velocity and roam and virtual and environment and application and program                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:03 |
| S19<br>8 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and object\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and selected and velocity and roam and virtual and environment and application and program                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:03 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                               |                                                         |    |    |                  |
|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S19<br>9 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and object\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and avatar and velocity and roam and virtual and environment and application and program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:03 |
| S20<br>0 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and object\$1 and user and select\$6 AND CONTROL\$6 and region\$1 and coordinate\$1 and virtual and hands and velocity and roam and virtual and environment and application and program            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:03 |
| S20<br>1 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and object\$1 and user and select\$6 and coordinate\$1 and virtual and hands and velocity and roam and virtual and environment and application and program                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:04 |
| S20<br>2 | 1 | stereo adj vision and avatar and stereo adj vision and computer and camera\$1 and image\$1 and object\$1 and user and virtual and hands and velocity and roam and virtual and environment and application and program                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:05 |
| S20<br>3 | 1 | stereo adj vision and avatar and computer and camera\$1 and image\$1 and object\$1 and user and virtual and hands and velocity and roam and virtual and environment and application and program                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:05 |
| S20<br>4 | 1 | stereo adj vision and avatar and object\$1 and user and virtual and hands and velocity and roam and virtual and environment and application and program                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:05 |
| S20<br>5 | 1 | stereo adj vision and avatar and virtual and hands and velocity and roam and virtual and environment and application and program                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:05 |

## EAST Search History

|          |   |                                                                                                                        |                                                         |    |    |                  |
|----------|---|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S20<br>6 | 1 | stereo adj vision and avatar and virtual and velocity and roam and virtual and environment and application and program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:05 |
| S20<br>7 | 1 | stereo adj vision and avatar and virtual and velocity and roam and virtual and environment                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:06 |
| S20<br>8 | 1 | stereo adj vision and avatar and virtual and velocity and roam and environment                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:06 |
| S20<br>9 | 4 | avatar and virtual and velocity and roam and environment                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:19 |
| S21<br>0 | 3 | avatar and virtual and velocity and roam and environment and hand                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:20 |
| S21<br>1 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and stereo adj vision                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:20 |
| S21<br>2 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and interface\$6 and computer and camera\$1       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:21 |
| S21<br>3 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and camera\$1                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:21 |
| S21<br>4 | 3 | avatar and virtual and velocity and roam and environment and hand\$1 and computer                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:21 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |    |    |                  |
|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S21<br>5 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and neutral and hand and object and selected and velocity and function and applied and avatar and roam and virtual and environment and application and program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:23 |
| S21<br>6 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and neutral and hand and object and selected and velocity and function and applied and avatar and roam and virtual and environment and application and program                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:22 |
| S21<br>7 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and view\$1 and user and virtual and hands and avatar and neutral and hand and object and selected and velocity and function and applied and avatar and roam and virtual and environment and application and program                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:22 |
| S21<br>8 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and user and virtual and hands and avatar and neutral and hand and object and selected and velocity and function and applied and avatar and roam and virtual and environment and application and program                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:22 |
| S21<br>9 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and user and virtual and hands and avatar and neutral and hand and velocity and function and applied and avatar and roam and virtual and environment and application and program                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:23 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |    |    |                  |
|----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S22<br>0 | 1 | avatar and virtual and velocity and<br>room and environment and hand\$1<br>and computer and user and virtual<br>and hands and avatar and neutral and<br>hand and velocity and function and<br>applied and avatar and room and<br>virtual and environment                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:23 |
| S22<br>1 | 1 | avatar and virtual and velocity and<br>room and environment and hand\$1<br>and computer and user and virtual<br>and hands and avatar and neutral and<br>hand and velocity and function and<br>avatar and room and virtual and<br>environment                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:23 |
| S22<br>2 | 1 | avatar and virtual and velocity and<br>room and environment and hand\$1<br>and computer and user and virtual<br>and hands and avatar and neutral and<br>hand and velocity and avatar and<br>room and virtual and environment                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:23 |
| S22<br>3 | 3 | avatar and virtual and velocity and<br>room and environment and hand\$1<br>and computer and user and virtual<br>and hands and avatar and hand and<br>velocity and avatar and room and<br>virtual and environment                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:23 |
| S22<br>4 | 2 | avatar and virtual and velocity and<br>room and environment and hand\$1<br>and computer and first and second<br>and image\$1 and detect\$9 and<br>object\$1 and field\$1 and view\$1 and<br>user and select\$6 AND CONTROL\$6<br>and virtual and hands and avatar and<br>hand and object and selected and<br>velocity and function and applied and<br>avatar and room and virtual and<br>environment and application and<br>program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:25 |
| S22<br>5 | 2 | avatar and virtual and velocity and<br>room and environment and hand\$1<br>and computer and image\$1 and<br>detect\$9 and object\$1 and field\$1 and<br>view\$1 and user and select\$6 AND<br>CONTROL\$6 and virtual and hands<br>and avatar and hand and object and<br>selected and velocity and function and<br>applied and avatar and room and<br>virtual and environment and<br>application and program                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:24 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                   |                                                         |    |    |                  |
|----------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S22<br>6 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and velocity and function and applied and avatar and roam and virtual and environment | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:24 |
| S22<br>7 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and velocity and function and applied and avatar and roam and virtual and environment                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:25 |
| S22<br>8 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and velocity and function and applied                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:25 |
| S22<br>9 | 3 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and velocity                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:25 |
| S23<br>0 | 3 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:26 |
| S23<br>1 | 3 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:26 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |    |    |                  |
|----------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S23<br>2 | 3 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:27 |
| S23<br>3 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and camera\$1                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:27 |
| S23<br>5 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and stereo                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:28 |
| S23<br>6 | 1 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and neutral and object and selected and function and applied and application and program | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:29 |
| S23<br>7 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and object and selected and function and applied and application and program             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:30 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                                                                                                                             |                                                         |    |    |                  |
|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S23<br>8 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and object and selected and function and applied | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:30 |
| S23<br>9 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and object and selected and function             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:30 |
| S24<br>0 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and object and function                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:30 |
| S24<br>1 | 2 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and object\$1 and function\$1                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:31 |
| S24<br>2 | 3 | avatar and virtual and velocity and roam and environment and hand\$1 and computer and first and second and image\$1 and detect\$9 and object\$1 and field\$1 and view\$1 and user and select\$6 AND CONTROL\$6 and virtual and hands and avatar and hand and object and selected and program and application and interface and object\$1                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:31 |

## EAST Search History

|          |     |                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |    |    |                  |
|----------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S24<br>3 | 2   | avatar and virtual and velocity and<br>roam and environment and hand\$1<br>and computer and first and second<br>and image\$1 and detect\$9 and<br>object\$1 and field\$1 and view\$1 and<br>user and select\$6 AND CONTROL\$6<br>and virtual and hands and avatar and<br>hand and object and selected and<br>program and application and interface<br>and object\$1 and applied  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:31 |
| S24<br>4 | 3   | avatar and virtual and velocity and<br>roam and environment and hand\$1<br>and computer and first and second<br>and image\$1 and detect\$9 and<br>object\$1 and field\$1 and view\$1 and<br>user and select\$6 AND CONTROL\$6<br>and virtual and hands and avatar and<br>hand and object and selected and<br>program and application and interface<br>and object\$1 and apply\$9 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:34 |
| S24<br>6 | 2   | "6088035".pn.                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:45 |
| S24<br>7 | 1   | "6088035".pn. and selected                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:51 |
| S24<br>8 | 1   | "6088035".pn. and hand\$1                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 09:51 |
| S24<br>9 | 1   | "20010033675" and hands                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 10:11 |
| S25<br>0 | 431 | stereo adj vision and object\$1 and<br>detect\$6                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:43 |
| S25<br>1 | 70  | stereo adj vision and object\$1 adj<br>detect\$6                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:43 |

## EAST Search History

|          |    |                                                                                                                                                                                                                        |                                                         |    |    |                  |
|----------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S25<br>2 | 33 | stereo adj vision and object\$1 adj<br>detect\$6 and field adj view                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:44 |
| S25<br>3 | 1  | stereo adj vision and object\$1 adj<br>detect\$6 adj region and field adj view                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:45 |
| S25<br>4 | 26 | stereo adj vision and object\$1 adj<br>detect\$6 and region and field adj view                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:45 |
| S25<br>5 | 8  | stereo adj vision and object\$1 adj<br>detect\$6 and region and field adj view<br>and determin\$6 and position adj<br>information                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 07:55 |
| S25<br>6 | 17 | stereo adj vision and (object\$1 and<br>detect\$6 and region) and field adj<br>view and determin\$6 and position adj<br>information                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S25<br>7 | 16 | stereo adj vision and (object\$1 and<br>detect\$6 and region) and field adj<br>view and determin\$6 and position adj<br>information and (control\$6 and region)                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S25<br>8 | 8  | stereo adj vision and (object\$1 and<br>detect\$6 and region) and field adj<br>view and determin\$6 and position adj<br>information and (control\$6 and region)<br>and (predetermin\$6 and location\$1<br>and size\$1) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 10:32 |
| S25<br>9 | 21 | Display and computer adj vision and<br>scene adj description and (3D or three<br>adj dimensional)                                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:28 |
| S26<br>0 | 2  | Display and computer adj vision and<br>scene adj description and (3D or three<br>adj dimensional) and analyZ\$6 and<br>determine\$6 adj position                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:26 |

## EAST Search History

|          |   |                                                                                                                                                                     |                                                         |    |    |                  |
|----------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S26<br>1 | 1 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and analyZ\$6 and determine\$6 adj position and stereo                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:26 |
| S26<br>2 | 0 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and analyZ\$6 and (determine\$6 and position) and stereo adj image\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:27 |
| S26<br>3 | 1 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and analyZ\$6 and (determine\$6 and position) and stereo adj image\$6   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:27 |
| S26<br>4 | 5 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and analyZ\$6 and (determine\$6 and position) and (stereo and image\$6) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:27 |
| S26<br>5 | 0 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and 348/82.ccls.                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:28 |
| S26<br>6 | 2 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and 348/42.ccls.                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:42 |
| S26<br>7 | 4 | Display and computer adj vision and scene adj description and (3D or three adj dimensional) and (stereo adj images)                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 08:43 |
| S26<br>8 | 0 | "20040046736" and computer adj vision                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:18 |
| S26<br>9 | 2 | "20040046736"                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:24 |
| S27<br>0 | 1 | "6661918".pn. and computer adj vision                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 13:43 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                          |                                                         |    |    |                  |
|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S27<br>1 | 1 | "6661918".pn. and computer adj<br>vision and scene and description                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:21 |
| S27<br>2 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:21 |
| S27<br>3 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional)                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:22 |
| S27<br>4 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:22 |
| S27<br>5 | 0 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analyz\$6                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:22 |
| S27<br>6 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:22 |
| S27<br>7 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6                                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:23 |
| S27<br>8 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control and<br>computer and application                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:23 |
| S27<br>9 | 0 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control\$6<br>and computer and application and<br>shape\$6 and size\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:24 |

## EAST Search History

|          |   |                                                                                                                                                                                                                                                                         |                                                         |    |    |                  |
|----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S28<br>0 | 0 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control\$6<br>and computer and application and<br>shape\$6                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 09:24 |
| S28<br>1 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control\$6<br>and computer and application and<br>size\$6                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 11:23 |
| S28<br>2 | 1 | "20040046736" and shape\$6                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 11:30 |
| S28<br>3 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control\$6<br>and computer and application and<br>size\$6 and cluster\$6              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 10:08 |
| S28<br>4 | 1 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control\$6<br>and computer and application and<br>size\$6 and stereo                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 11:38 |
| S28<br>5 | 1 | "20040046736" and shape\$6 and<br>feature\$6 and determine\$6 and<br>position\$6 and information and object                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 11:30 |
| S28<br>6 | 0 | "6661918".pn. and computer adj<br>vision and scene\$6 and description\$6<br>and position\$6 and (3D or three adj<br>dimensional) and feature\$6 and<br>analy\$6 and object\$6 and control\$6<br>and computer and application and<br>size\$6 and stereo and intersect\$6 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/18 11:38 |

## EAST Search History

|          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                         |    |    |                  |
|----------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| S28<br>7 | 10 | stereo adj vision and interface\$6 and<br>application adj program and run\$9<br>and computer and camera\$1 and first<br>and second and arrange\$6 and<br>configurat\$6 and image\$1 and<br>detect\$9 and object\$1 and intersect\$6<br>and field\$1 and view\$1 and depth\$1<br>and range\$1 and user and select\$6<br>and object and interest\$6 AND<br>CONTROL\$6 and region\$1 and<br>position\$6 and location and search<br>and point and interest | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 16:30 |
|----------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|